

IMAGING DEVICE CONNECTED TO PROCESSOR-BASED SYSTEM USING HIGH-
BANDWIDTH BUS

Abstract of the Disclosure

- 5 An imaging device is tethered to a processor-based system by a high-bandwidth serial bus. Image data produced in the imaging device is minimally processed before being transferred to the processor-based system for more extensive image processing. In particular, compression inside the imaging device may be avoided, for some image resolutions. Where higher throughput of image data through the high-bandwidth bus is desired, the imaging device performs scaled color interpolation on the image data before its transmission to the processor-based system.